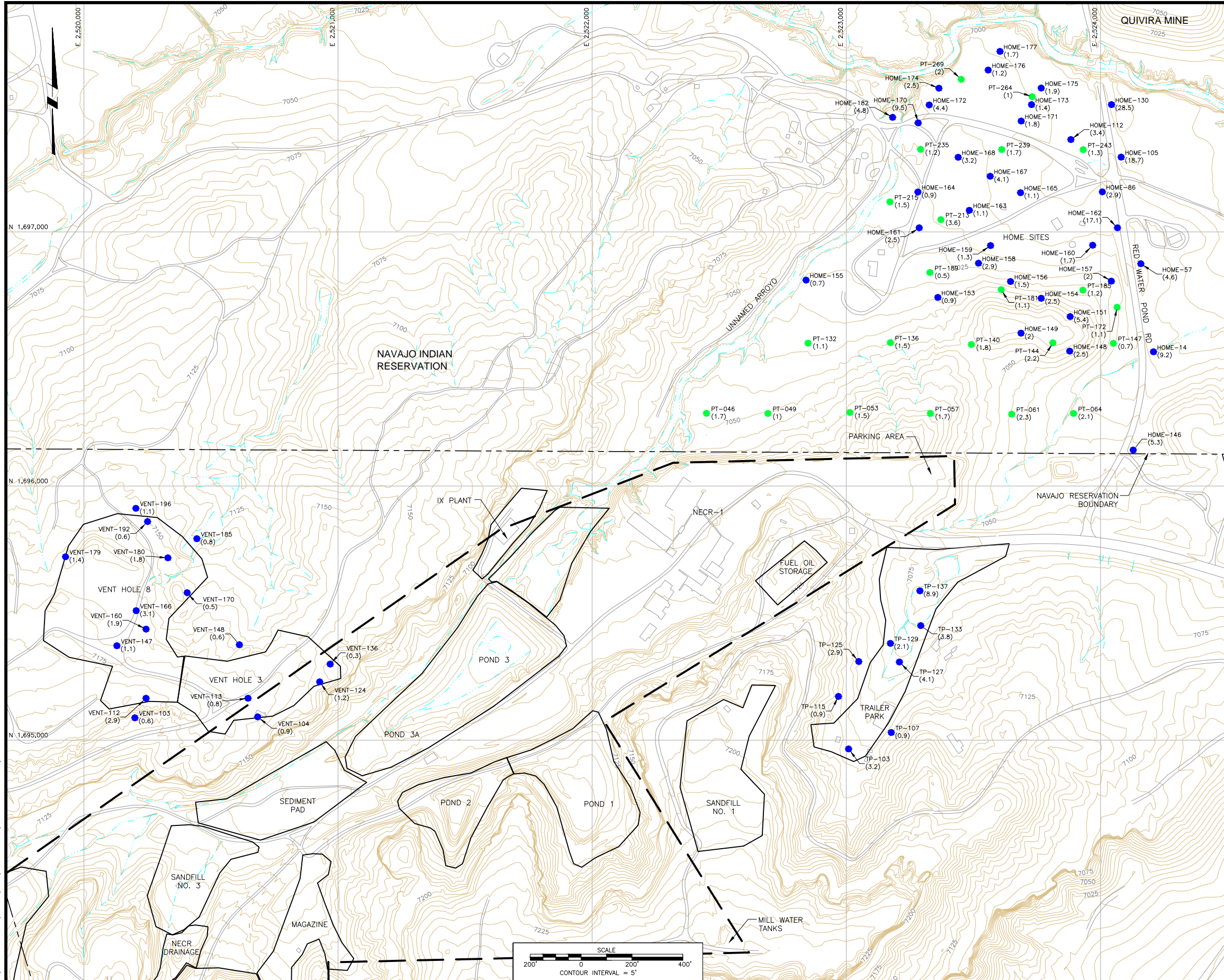


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LEGEND:

- 7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE OWNERSHIP BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE
- SUPPLEMENTAL RSE SAMPLE (2007)
- POST-IRA SAMPLE (2009)
- (0.6) Ra-226 RESULT (pCi/g)

NOTE:

ALL SAMPLES ANALYZED BY ENERGY LABS, INC. USING EPA METHOD 901.1.

0	FINAL	CHF	RTL	06/17/10
ISSUE	DESCRIPTION	TECH	ENG	DATE
REV				

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DRAWING REFERENCE(S):  
1. ORIGINAL SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. AND USGS 10m DIGITAL ELEVATION MODELS (DEM).  
2. FINAL SURFACE TOPOGRAPHY SURVEY DATA PROVIDED BY MORRIS SURVEYING ENGINEERING, LLC, DATED MAY, 2010.  
ORIGINAL FILES LOCATED AT:  
\\USSBS1S01\CAD\_ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS-Q-Z\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012TOP03-MAY 24.DWG

PROJECTION:  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	T LEESON	06/17/10
DRAWN BY	C FOWLER	06/17/10
CHECKED BY	E MARKS	06/17/10
APPROVED BY	T LEESON	06/17/10
PROJECT MANAGER	T LEESON	06/17/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		



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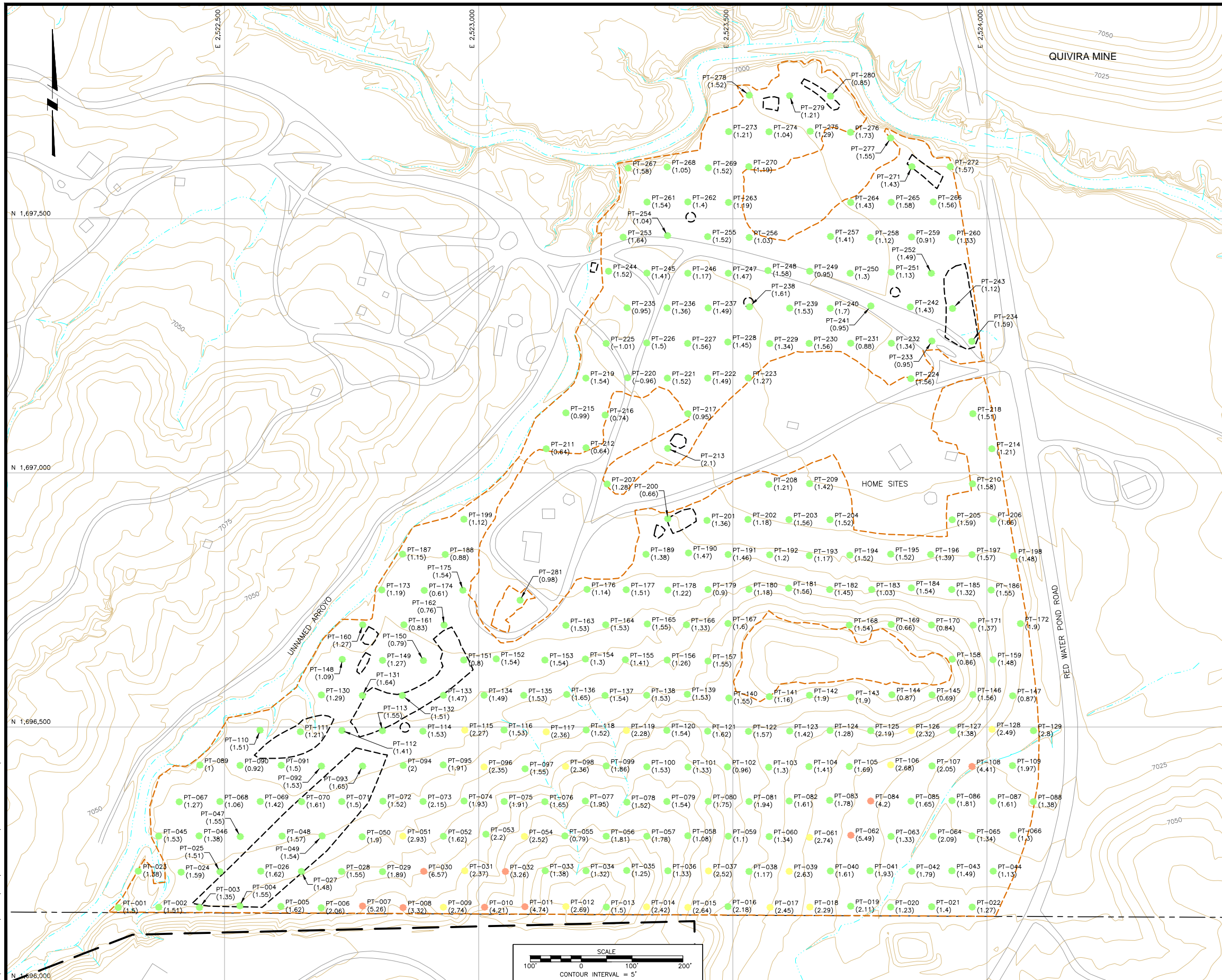
PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE
PROJECT	INTERIM REMOVAL ACTION
TITLE	CORRELATION SOIL SAMPLE LOCATIONS

FIGURE	1 of 3	REVISION	0
FILE NAME	1008501D005		





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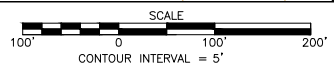
- 7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE OWNERSHIP BOUNDARY
- ROADS
- NATURAL DRAINAGE
- IRA EXCAVATION AREAS
- DEEP EXCAVATION BOUNDARY
- PHYSICAL STRUCTURE

STATIC GAMMA MEASUREMENT LOCATIONS SHOWING EQUIVALENT Ra-226 (pCi/g) CONCENTRATION

- <2.24
  - 2.24 ~ 3.0
  - >3.0
- (1.5) Ra-226 (pCi/g) BASED ON GAMMA MEASUREMENTS (CPM)

NOTE:

EQUIVALENT RADIUM CONCENTRATIONS CALCULATED USING REVISED IRA CORRELATION REGRESSION EQUATION:  $Ra-226 = (0.013 \times \text{GAMMA}) - 4.4967$ .



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2. FINAL SURFACE TOPOGRAPHY SURVEY DATA PROVIDED BY MORRIS SURVEYING ENGINEERING, LLC, DATED MAY, 2010.  
ORIGINAL FILES LOCATED AT:  
\\USSBS101\CAD\_ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS-Q-Z\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012TOP03-MAY 24.DWG

**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	T LEESON	06/17/10
DRAWN BY	C FOWLER	06/17/10
CHECKED BY	E MARKS	06/17/10
APPROVED BY	T LEESON	06/17/10
PROJECT MANAGER	T LEESON	06/17/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		



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PROJECT LOCATION  
NORTHEAST CHURCH ROCK MINE

PROJECT  
INTERIM REMOVAL ACTION

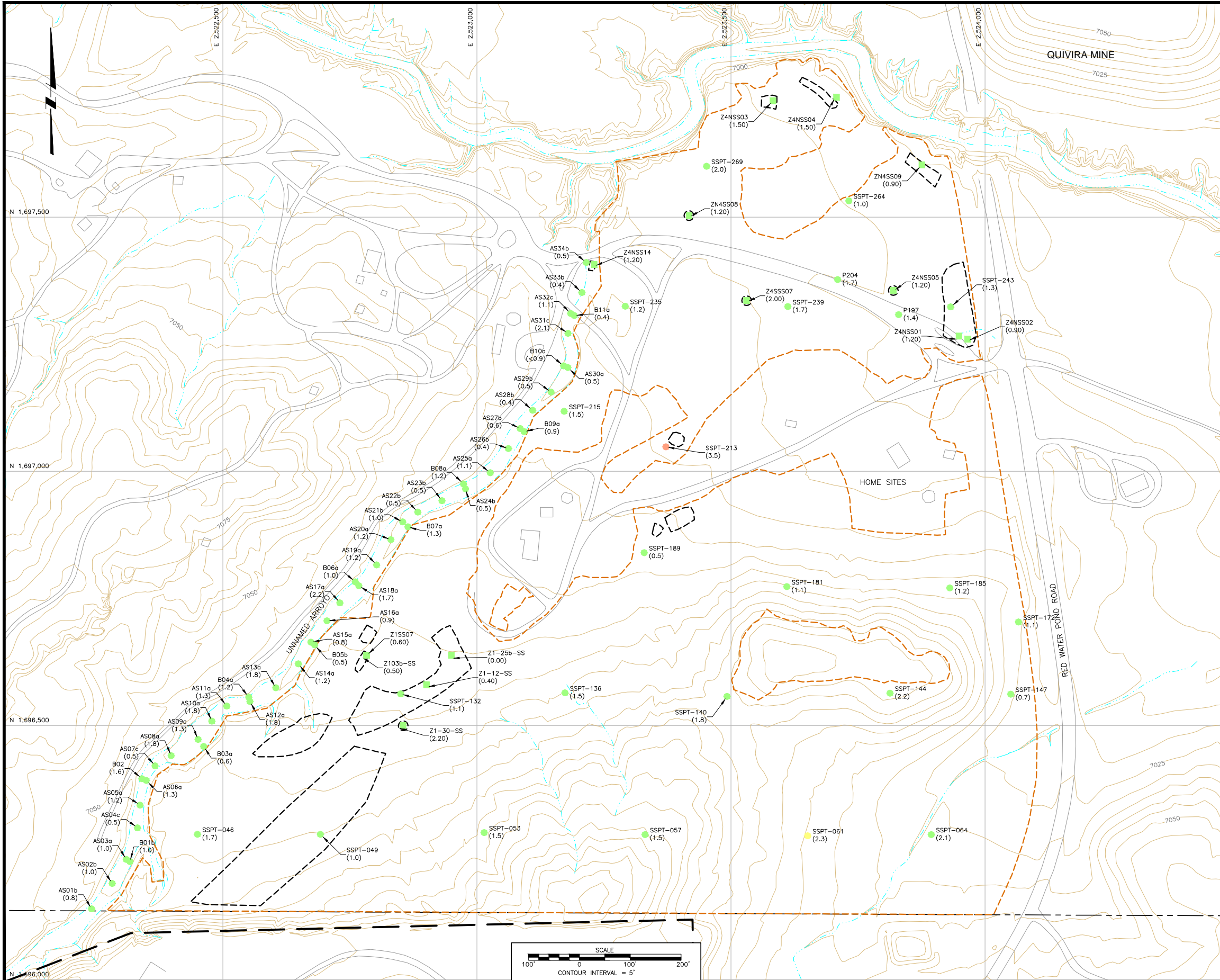
TITLE  
POST IRA GAMMA SURVEY RESULTS



FIGURE	2 of 3	REVISION	0
FILE NAME	1008501D006		



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LEGEND:

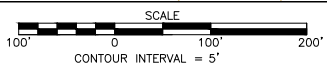
- 7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE OWNERSHIP BOUNDARY
- ROADS
- NATURAL DRAINAGE
- IRA EXCAVATION AREAS
- DEEP EXCAVATION BOUNDARY
- PHYSICAL STRUCTURE
- STATUS SURVEY SOIL SAMPLE
- EXCAVATION CONTROL SOIL SAMPLE

STATUS SURVEY SOIL SAMPLE LOCATIONS SHOWING EQUIVALENT Ra-226 (pCi/g) CONCENTRATION

- <2.24
- 2.24 ~ 3.0
- >3.0
- (1.5) Ra-226 (pCi/g)

NOTE:

ALL SAMPLES COLLECTED SUBSEQUENT TO COMPLETION OF IRA EXCAVATION ACTIVITIES, AND ANALYZED BY ENERGY LABS, INC..



ISSUE	REV	DESCRIPTION	TECH	ENG	DATE
0		FINAL	CHF	RTL	06/17/10

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PROJECTION:  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	T LEESON	06/17/10
DRAWN BY	C FOWLER	06/17/10
CHECKED BY	E MARKS	06/17/10
APPROVED BY	T LEESON	06/17/10
PROJECT MANAGER	T LEESON	06/17/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		



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PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE
PROJECT	INTERIM REMOVAL ACTION
TITLE	IRA VERIFICATION SOIL SURVEY RESULTS

FIGURE	3 of 3	REVISION	0
FILE NAME	1008501D007		